Live Trap Alarm
User's Manual

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1. Introduction

1.1 General Description

Live Trap Alarm is an electronic alarm sending an SMS message to one or several mobile numbers when the alarm is activated. Animal safety and ethical considerations dictate that animals need to be removed from traps as soon as possible to minimize stress and possible self-harm. The LTA uses the tripping of a magnetic reed switch to trigger a modern to send you an SMS message over the GSM network. LTA is very easy to set up on all different kinds of traps , with its waterproof and rugged construction design, it can work under different weather condition in the wild.

1.2 Features

Easy to mount on all types of traps
Quad band and work with GSM SIM card
Transmit SMS upon alarm
Fast response when triggered
Daily report
Long working hours
Call and Listen
Portable size (114*90*50mm)
Water proof

2. Parts Identification

Please see below figures (Fig.1 Front View&Fig.2 Internal View).

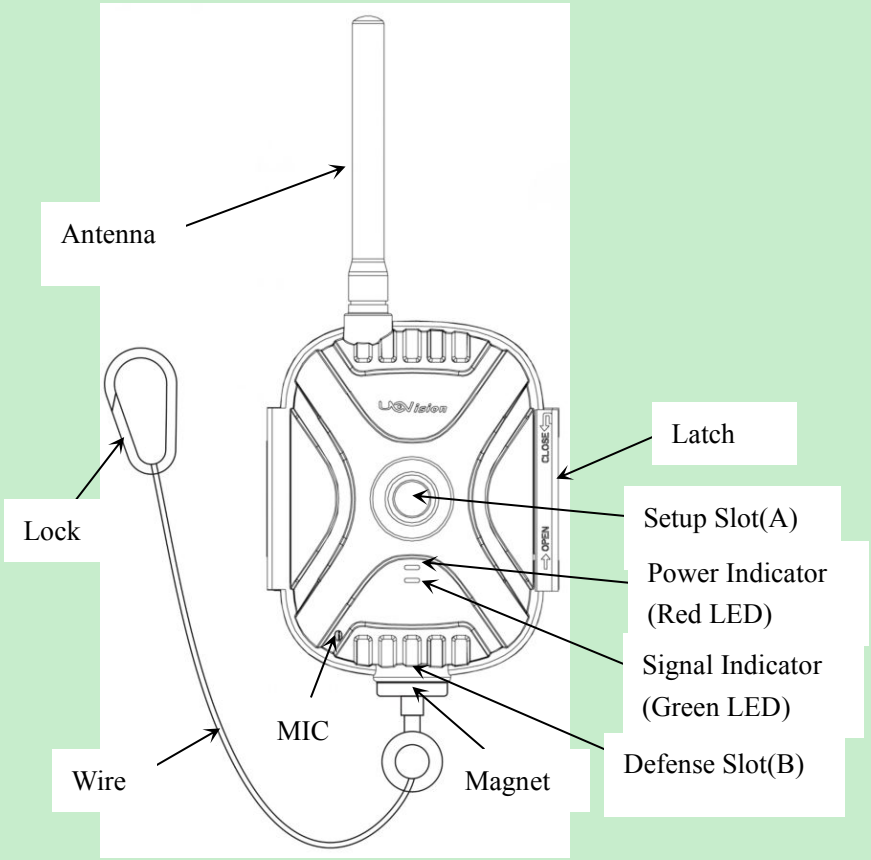

Fig.1 Front View

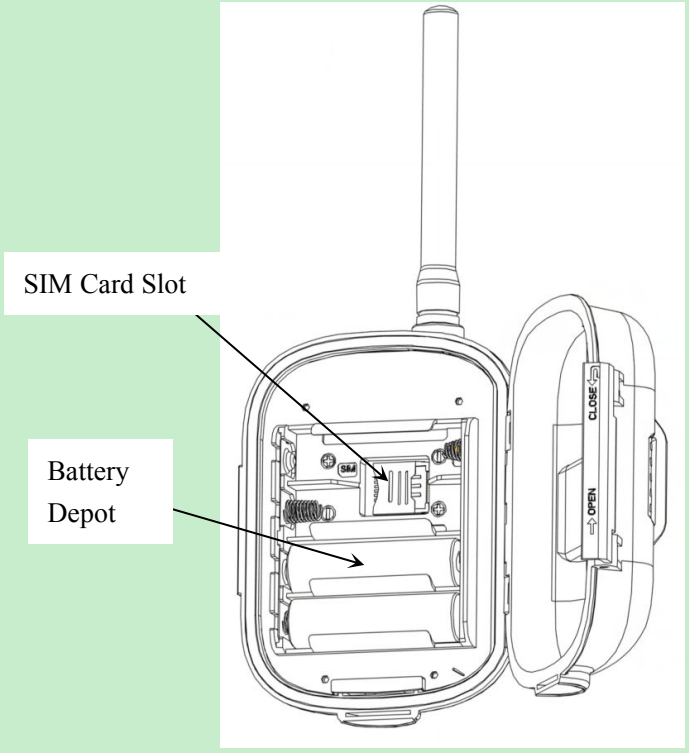

Fig.2 Internal View

3. SIM Card and Battery Installation

3.1 SIM Card

According to the indication on the latch, open the LTA, and open the SIM card slot cover, insert the SIM card into the slot with the flat corner facing left down corner. Please make sure the PIN of the SIM card is disable.

3.2 Battery

LTA is designed to operate using 4*AA cell batteries and we recommend using Alkaline battery. Please make sure the polarity (+/-) is correct before installation. Incorrect voltage will damage the machine.

4. Work modes

There are two slots where the magnet can be placed on： setup slot(we names it A) and defense slot(we names it B), please refer to the Fig.1.

When place the magnet on A, the system will be on the setup mode, of which some parameters can be set through SMS commands. If within 10 minutes the system does not receive any command, it will sleep to save power.

When place the magnet on B, the system will be on the defense mode, and daily report will be sent to the preset admin numbers at customized time.

Once the magnet is moved from B, the system immediately boots up to send a SMS text to up to 5 separate telephone numbers and enter the alert mode. You can call the number of LTA and listen to the local voice on this mode. After performing the alarm task, the system will enter the sleep mode

to save power.

5. Setup LTA

Put the magnet on A, the system commences to log on to the mobile network, after several minutes, the buzz sings a long beep and the Power Indicator and Signal Indicator are always on, the system are ready to program.

A status message including its name, current time, battery level and signal strength would be sent to the admin numbers when power up LTA for the first time on setting mode or a new admin number is added.

The system has a built-in security function that requires a 4 digit password to be sent to the unit every time you wish to make any program changes. The SMS commands and its parameters are listed in the following Tab.1.

Tab.1 SMS commands

Type	Command	Function	Parameter Description	Return
Set	#0000#000#param#	Change Password	param: 4 digits number. Default:0000	OK
Set	#0000#010#param#	Change Name	param: new name consisting of letters, numbers and underscores, no more than 16 chars. Default: UOV_LTA	Change name：(param)
Set	#0000#020#param#	Add Admin Number	param: admin number	(param) added.
Set	#0000#021#param#	Delete Admin Number	param: admin number	(param) deleted.
Set	#0000#030#param#（param2#param3#）	Choose alarm mode of LTA, and set the time when daily report is sent	param:alarm mode，0-Real-time alarm only；1-Real-time alarm and report once a day；2-Real-time alarm and report twice a day param2:first daily report time hhmm (e.g. 0800) param3：second daily report time, hhmm (e.g. 1200). Default: Real-time alram, reprort at 12:00.	Set:Real-time alarm ONLY./ Real-time alarm，report at param2./Real-time arlarm, report at param2 and param3.
Set	#0000#050#param#	Set call&listen time length	param:0-Turn off audio，1-with in 6 hours，2-within 12 hours，3-within 24 hours. Default: 2.	Set:Turn off audio./Call and listen within (param) hours after alarming.
Set	#0000#060#param#	Set system time	param: hhmm(e.g. 0800).	

Inquire	#0000#110#	Inquire LTA status		Name: *** Alarm ONLY./ Alarm，report at 00:00./Alarm, report at 08:00 and 18:00. Turn off audio./Call and listen within 6/12/24 hours after first alarm. Battery: 100%. Signal: Good.
Inquire	#0000#120#	Inquire admin numbers		No.1: *** No.2: *** No.3: *** No.4: *** No.5: ***

The power indicator, signal indicator and buzz will make corresponding action in abnormal condition such as low battery, no signal. The specification is in the below Tab.2.

Tab.2 Abnormal condition of setup mode

Abnormal condition	Power Indicator（Red）	Signal Indicator（Green）	Buzz
Low Battery	Flash	Always off	Sing every 2s, one at a time
No SIM card, No signal	Always on	Flash	Sing every 3s, two at a time

6. Defense and Alarm

Place the magnet on B, and the system will enter defense mode after 3 minutes with alternative flashing of power indicator and signal indicator. If the alarm mode is chosen to 1 or 2(alarm and auto daily report once or twice a day), working report will be sent to customized cell numbers automatically at preset time as:

" UOV_LTA daily report(1/1):
I am working!
Battery: 100%,
Signal: Good. ".

When the magnet is removed by outer force, the unit will power-on itself and send the alert information—"UOV_LTA is alarming" to the pre-stored cell numbers every 2 hours within 24 hours until a SMS "#110312#" be sent to the LTA to confirm to cancel alarm.

7. Call&Listen

After first alarm, if call&listen time length not set to 0(turn off audio), you can call the LTA and listen to the local voice during the pre-set period (6, 12 or 24 hours) so as to appreciate more information of the animal in the trap. Please make sure your phone number is in the admin list of LTA, otherwise the LTA will hang up the phone.